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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re:	Patent Application of Noriyuki ISOBE et al.	: Group Art Unit: Not Yet Assigned
Conf. No.:	Not Yet Assigned	:
Appln. No.:	Not Yet Assigned	: Examiner:
Filed:	Herewith	:
For:	JOINT TO BE ADHERED TO NYLON RESIN MOLDINGS	: Attorney Docket : No. 9369-67US : **(U01-138131C/KK)**

PRELIMINARY AMENDMENT

Simultaneously with the filing of the above-identified application with which this Preliminary Amendment is being filed, and prior to the calculation of the filing fee, Applicant hereby amends the application as follows, without prejudice:

In the Claims:

Please amend the claims as follows:

Please delete the CLAIMS section and replace it with the new CLAIMS section, shown in clean form attached hereto, having the bracketed additions and stricken deletions as shown in the attached marked-up version.

REMARKS

Claims 1 to 20 are pending in the application.

The purpose of this amendment is to delete the multiple dependent claims in this application, and thereby eliminate excessive claim fees. Such amendments are formal in nature and no new matter is added by any of the above amendments. A Substitute Claims Section is enclosed to reflect these amendments. Entry of this amendment and early examination of this application are respectfully solicited.

Respectfully submitted,

Noriyuki ISOBE et al.

October 5, 2001 By: William W. Schwarze

(Date)

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WWS:jf
Enclosure

SUBSTITUTE CLAIMS SECTION

CLAIMS

We claim:

1. A joint to be adhered to nylon resin moldings using a solvent adhesive, in which a material for the joint comprises a copolymerized nylon.

2. A joint to be adhered to nylon resin moldings using a solvent adhesive, in which a material for the joint comprises a composition comprising a copolymerized nylon and at least one of a nucleating agent and a lubricant.

3. A joint to be adhered to nylon resin moldings using a solvent adhesive, in which a material for the joint comprises a composition comprising a copolymerized nylon blend and at least one of a nucleating agent and a lubricant.

4. The joint to be adhered to nylon resin moldings as claimed in claim 1, wherein the copolymerized nylon comprises two or more kinds of units derived from lactams containing 6 to 12 carbon atoms, axninocarboxylic acids containing 6 to 12 carbon atoms, and a combination of a dicarboxylic acid containing 3 to 22 carbon atoms and a diamine containing 2 to 20 carbon atoms.

5. The joint to be adhered to nylon resin moldings as claimed in claim 3, wherein the copolymerized nylon blend is a blend of a copolymerized nylon and a nylon selected from the group consisting of nylon 6, nylon 11, nylon 12, nylon 6,6, nylon 6,10 and nylon 6,12.

6. The joint to be adhered to nylon resin moldings as claimed in claim 2, wherein the nucleating agent is talc, with its content being 0.1 to 5 parts by weight per 100 parts by weight of the resin component.

7. The joint to be adhered to nylon resin moldings as claimed in claim 2, wherein the lubricant is a metal soap, with its content being 0.05 to 5 parts by weight per 100 parts by weight of the resin component.

8. The joint to be adhered to nylon resin moldings as claimed in claim 1, wherein the copolymerized nylon comprises 5 to 95% by weight of nylon-12 component, based on the

total weight of the copolymerized nylon.

9. The joint to be adhered to nylon resin moldings as claimed in claim 3, wherein the copolymerized nylon blend comprises 50 to 90% by weight of the copolymerized nylon and 50 to 10% by weight of nylon 12, based on the total weight of the copolymerized nylon blend.

10. The joint to be adhered to nylon resin moldings as claimed in claim 1, which has a dissimilar material molded structure in such a manner that the material for the joint comprises at least a portion of the joint to be adhered to the nylon resin moldings.

11. A method for adhering nylon resin moldings, which comprises adhering the nylon resin moldings to a joint comprising (i) a copolymerized nylon or (ii) a composition comprising a copolymerized nylon or a copolymerized nylon blend and at least one of a nucleating agent and a lubricant using a solvent adhesive.

12. The method for adhering nylon resin moldings as claimed in claim 11, wherein the solvent adhesive comprises at least one component of a phenolic compound and a fluoroalcoholic compound.

13. The method for adhering nylon resin moldings as claimed in claim 11, wherein the solvent adhesive comprises a copolymerized nylon.

14. A solvent adhesive for nylon resin moldings, which comprises a solvent and a copolymerized nylon.

15. The solvent adhesive for nylon resin moldings as claimed in claim 14, which comprises 0.5 to 20% by weight, based on the total weight of the solvent adhesive, of a copolymerized nylon comprising two or more kinds of units derived from lactams containing 6 to 12 carbon atoms, aminocarboxylic acids containing 6 to 12 carbon atoms, and a combination of a dicarboxylic acid containing 3 to 22 carbon atoms and a diamine containing 2 to 20 carbon atoms.

16. The solvent adhesive for nylon resin moldings as claimed in claim 15, wherein the copolymerized nylon comprises 5 to 95% by weight of nylon 12 component, based on the

total weight of the copolymerized nylon.

17. The solvent adhesive for nylon resin moldings as claimed in claim 14, wherein the solvent comprises at least one of phenolic compounds and fluoroalcoholic compounds.

18. An adhesion structure of nylon resin, wherein a material comprising a copolymerized nylon is adhered to a material comprising other nylon resin using a solvent adhesive.

19. An adhesion structure of nylon resin, wherein a material comprising a composition comprising a copolymerized nylon or a copolymerized nylon blend and at least one of a nucleating agent and a lubricant is adhered to a material comprising other nylon resin using a solvent adhesive.

20. The adhesion structure of nylon resin as claimed in claim 18, wherein the solvent adhesive comprises a copolymerized nylon.

[SUBSTITUTE CLAIMS SECTION

CLAIMS

We claim] ~~{WHAT IS CLAIMED IS}~~:

1. A joint to be adhered to nylon resin moldings using a solvent adhesive, in which a material for the joint comprises a copolymerized nylon.

2. A joint to be adhered to nylon resin moldings using a solvent adhesive, in which a material for the joint comprises a composition comprising a copolymerized nylon and at least one of a nucleating agent and a lubricant.

3. A joint to be adhered to nylon resin moldings using a solvent adhesive, in which a material for the joint comprises a composition comprising a copolymerized nylon blend and at least one of a nucleating agent and a lubricant.

4. The joint to be adhered to nylon resin moldings as claimed in ~~{one of claims 1 to 3}~~ **[claim 1]**, wherein the copolymerized nylon comprises two or more kinds of units derived from lactams containing 6 to 12 carbon atoms, axninocarboxylic acids containing 6 to 12 carbon atoms, and a combination of a dicarboxylic acid containing 3 to 22 carbon atoms and a diamine containing 2 to 20 carbon atoms.

5. The joint to be adhered to nylon resin moldings as claimed in claim 3, wherein the copolymerized nylon blend is a blend of a copolymerized nylon and a nylon selected from the group consisting of nylon 6, nylon 11, nylon 12, nylon 6,6, nylon 6,10 and nylon 6,12.

~~{ 21~~

~~}~~6. The joint to be adhered to nylon resin moldings as claimed in claim 2 ~~{or 3}~~, wherein the nucleating agent is talc, with its content being 0.1 to 5 parts by weight per 100 parts by weight of the resin component.

7. The joint to be adhered to nylon resin moldings as claimed in claim 2 ~~{or 3}~~, wherein the lubricant is a metal soap, with its content being 0.05 to 5 parts by weight per 100 parts by weight of the resin component.

8. The joint to be adhered to nylon resin moldings as claimed in ~~{one of claims 1~~

~~to 3}~~ **[claim 1]**, wherein the copolymerized nylon comprises 5 to 95% by weight of nylon-12 component, based on the [

]total weight of the copolymerized nylon.

9. The joint to be adhered to nylon resin moldings as claimed in claim 3, wherein the copolymerized nylon blend comprises 50 to 90% by weight of the copolymerized nylon and 50 to 10% by weight of nylon 12, based on the total weight of the copolymerized nylon blend.

10. The joint to be adhered to nylon resin moldings as claimed in ~~{one of claims 1 to 3}~~ **[claim 1]**, which has a dissimilar material molded structure in such a manner that ~~{a}~~ **[the]** material for the joint ~~{claimed in one of claims 1 to 3 constitutes}~~ **[comprises]** at least a portion of the joint to be adhered to the nylon resin moldings.

11. A method for adhering nylon resin moldings, which comprises adhering the nylon resin moldings to a joint comprising (i) a copolymerized nylon or (ii) a

~~{ 22~~

}composition comprising a copolymerized nylon or a copolymerized nylon blend and at least one of a nucleating agent and a lubricant using a solvent adhesive.

12. The method for adhering nylon resin moldings as claimed in claim 11, wherein the solvent adhesive comprises at least one component of a phenolic compound and a fluoroalcoholic compound.

13. The method for adhering nylon resin moldings as claimed in claim 11 ~~{or 12}~~, wherein the solvent adhesive comprises a copolymerized nylon.

14. A solvent adhesive for nylon resin moldings, which comprises a solvent and a copolymerized nylon.

15. The solvent adhesive for nylon resin moldings as claimed in claim 14, which comprises 0.5 to 20% by weight, based on the total weight of the solvent adhesive, of a copolymerized nylon comprising two or more kinds of units derived from lactams containing 6 to 12 carbon atoms, aminocarboxylic acids containing 6 to 12 carbon atoms, and a combination

of a dicarboxylic acid containing 3 to 22 carbon atoms and a ~~{diainine}~~ **[diamine]** containing 2 to 20 carbon atoms.

16. The solvent adhesive for nylon resin moldings as claimed in claim 15, wherein the copolymerized nylon comprises 5 to 95% by weight of nylon 12 component, based on the total weight of the copolymerized nylon.

17. The solvent adhesive for nylon resin moldings as claimed in ~~{one of claims 14 to 16}~~ **[claim 14]**, wherein the solvent ~~{~~

~~23 }~~comprises at least one of phenolic compounds and fluoroalcoholic compounds.

18. An adhesion structure of nylon resin, wherein a material comprising a copolymerized nylon is adhered to a material comprising other nylon resin using a solvent adhesive.

19. An adhesion structure of nylon resin, wherein a material comprising a composition comprising a copolymerized nylon or a copolymerized nylon blend and at least one of a nucleating agent and a lubricant is adhered to a material comprising other nylon resin using a solvent adhesive.

20. The adhesion structure of nylon resin as claimed in claim 18 ~~{or 19}~~, wherein the solvent adhesive comprises a ~~{copolyinerized}~~ **[copolymerized]** nylon.
~~{ 24 }~~